Object ID	Scenario Planner Requirements - by Aubrey Kunishige, July 2000
K-41	**Requirements for Scenario Planner** **Prepared by: Aubrey Kunishige, July 2000**
K-43	# 1 Level One
K-44	1. Display a map of area of interest.
K-45	2. Ability to display overlays over the general map.
K-46	3. Ability to draw different shapes and place them anywhere on the map.
K-47	4. Ability to run stand alone on a PC or Laptop
K-48	5. The ability to draw scenarios given only waypoints.
K-49	6. The ability to draw scenarios from a starting point given only range and bearings from that point.
K-50	7. The ability to display instrumentation coverage.
K-51	8. Be able to change scale of area of interest.
K-52	9. Easy to use.
K-53	# 2 Level Two
K-54	1. Ability to transition to real-time range display.
K-55	2. Coordinate launch times for actual time of arrival from different types of vehicle.
K-56	3. Simulate launch times and be able to change other vehicle launch time to correspond to time of arrival.
K-57	4. Ability to input information on various types of vehicles. Performance characteristics, etc.
K-58	5. Generate nominal trajectories based on information input. Must match those provided by APL or whichever organization is providing
K-59	6. Simulate flights.
K-60	7. Display range sensor status
K-61	8. Flag out of parameters sensors
K-62	9. Flag out of parameters launch or target vehicle performance.
K-63	10. Display decision aids for out of parameters functions.

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K-64	11. Be able to work backwards – given a specific meeting time, give the planned launch times.
K-65	12. Given various launch positions/aspect angles, accurately project a vehicle's performance.
K-66	13. Accept NTADS GOG files and plot these.
K-67	14. Generate own GOG files and export in NTADS format.
K-68	15. Display velocity Vs time.
K-69	16. Be able to coordinate the flight of x number of vehicles.
K-70	17. Display sensors in different colors
K-71	18. Display vehicle using NTDS symbols with speed leaders
K-72	**3** Level Three
K-73	1. Monitor the real time flight and plot it against the projected.
K-74	2. Used to build the VID/SID tables.
K-75	3. Be the source of the IP instead of waiting for it to be generated.
K-76	**4** Level Four
K-77	1. Post operation replay from a given time.
K-78	2. Post operation plots of given parameters.